

What is claimed is:

1. A system for managing resources including windows, objects, and data among groups of workers that carry out jobs by computers, comprising:

resource managing means for managing resources allocated to each of the groups;

job monitoring means for monitoring the jobs carried out by the groups and maintaining the security of the resources allocated to the groups; and

scheduling means for scheduling the jobs of each group according to a procedure specific to the group and information provided by the job monitoring means.

2. The system according to claim 1, further comprising:

job storage means for storing a job definition form that defines the period, members, processes, and resources allocated to each job carried out by each group,

the resource managing means, job monitoring means, and scheduling means exchanging the rights to use the resources among the groups according to the job definition form.

3. The system according to claim 1, further comprising:

rearranging means for managing and rearranging the members and resources of the groups according to the progress of the jobs,

the job monitoring means monitoring the jobs and resources of the groups according to information from the rearranging means.

4. The system according to claim 1, further comprising:

an emergency group that is allowed to access every resource of every group,

the job monitoring means permitting any request from the emergency group for accessing a

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resource.

5        5.    The system according to claim 1, wherein the  
job monitoring means has means for transferring a  
resource from one of the groups to another, or  
automatically changing the resources of any one of the  
groups according to a procedure.

10       6.    The system according to claim 1, further  
comprising means for using a telephone to call and ask,  
when a first group makes a request to use a resource of a  
second group, the second group for permission to use the  
resource.

15       7.    The system according to claim 6, comprising  
means for using a pager to call and ask the second group  
for permission to use the resource.

20       8.    The system according to claim 6, comprising  
means for using a notebook computer, an electronic  
notepad, or a workstation through a wide-area network, a  
personal computer communication network, or a wireless  
network to call and ask the second group for permission  
to use the resource.

25       9.    The system according to claim 6, comprising  
visual I/O means such as a television camera and audio  
I/O means such as a microphone to call and ask the second  
group for permission to use the resource.

30       10.   The system according to claim 6, comprising  
input means such as a sensor or a transmitter attached to  
a member of the second group, for identifying and  
locating the member, and positioning means such as a  
television camera for photographing the member, the input  
means and positioning means being used to directly ask  
the member of the second group for permission to use the  
resource.

35       11.   The system according to claim 6, wherein the  
job monitoring means has means for holding the schedules  
of the jobs of the groups and exchanging the jobs among  
the groups.

12.    The system according to claim 6, wherein the

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job monitoring means has means for limiting the location, period, and group to handle a resource, to thereby strictly maintain the security of the resource.

5        13. The system according to claim 6, wherein the job monitoring means has means for indicating whether permission of the use of the resource is to be granted upon approval of all or some of the members of the second group.

10       14. The system according to claim 6, wherein the job monitoring means has means for adding the name of a group to which a resource belongs to the name of the resource so that the groups may have resources having the same name.

15       15. The system according to claim 6, wherein the job monitoring means has means for allocating a representative name to a set of resources and identically handling the resources under the representative name.

20       16. The system according to claim 10, wherein the input means is a virtual-reality device attached to the member, to identify the location of the member.

17. The system according to claim 10, wherein the input means is a head-mount display worn by the member so that the member may give permission to use the resource.

25       18. The system according to claim 10, wherein the input means is provided with a password or an ID, to prevent illegal access to the input means.

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